Electronic Supplementary Material (ESI) for New Journal of Chemistry

Enhancement of cumulative photoirradiated and AC magnetic-field induced cancer (HeLa) cell killing efficacy of mixed α and γ-Fe_2O_3 magnetic nanoparticles

Md. Shariful Islam[a], Yoshihumi Kusumoto*[a], Md. Abdulla-Al-Mamun[a], Yuji Horie[b] and Hirotaka Manaka[b]

Supporting information data

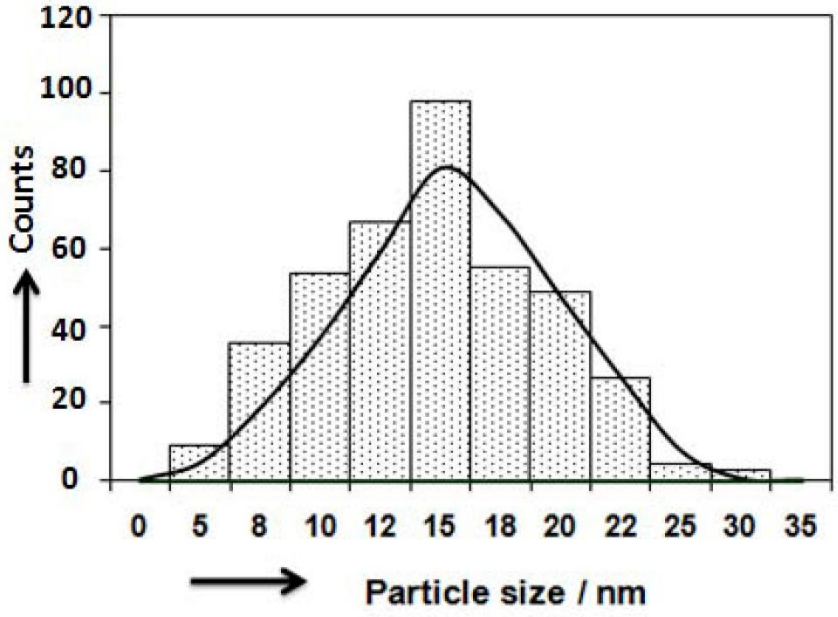

Fig. S1. Particle size distribution of as-prepared mixed α and and γ-Fe_2O_3 nanoparticles measured from TEM analysis.

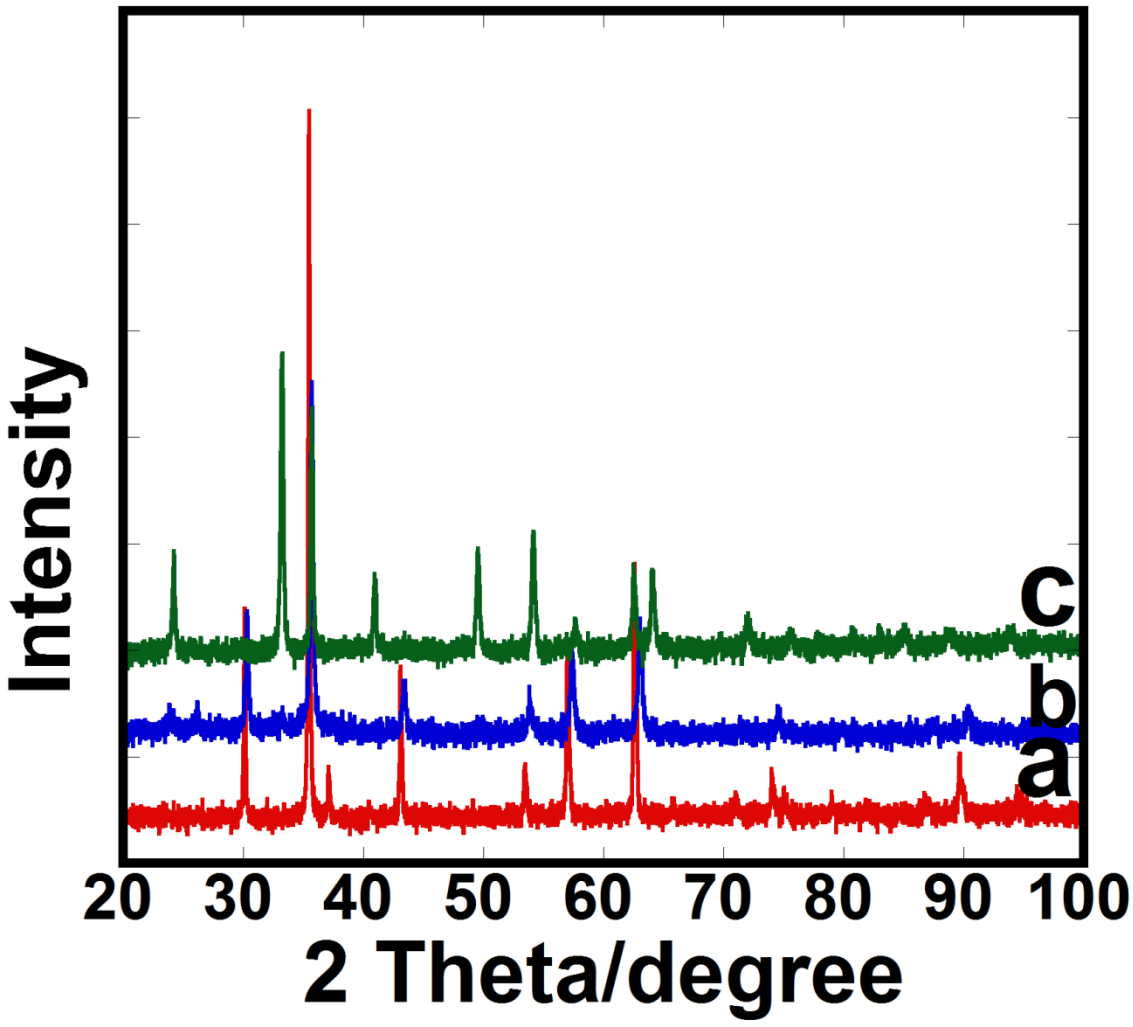

Fig. S2 XRD patterns of commercial Fe_3O_4 (a), γ-Fe_2O_3 (b) and α-Fe_2O_3 (a) nanoparticles (Wako, catalog No: 093-01035, 324-94282 and 322-94283, respectively).

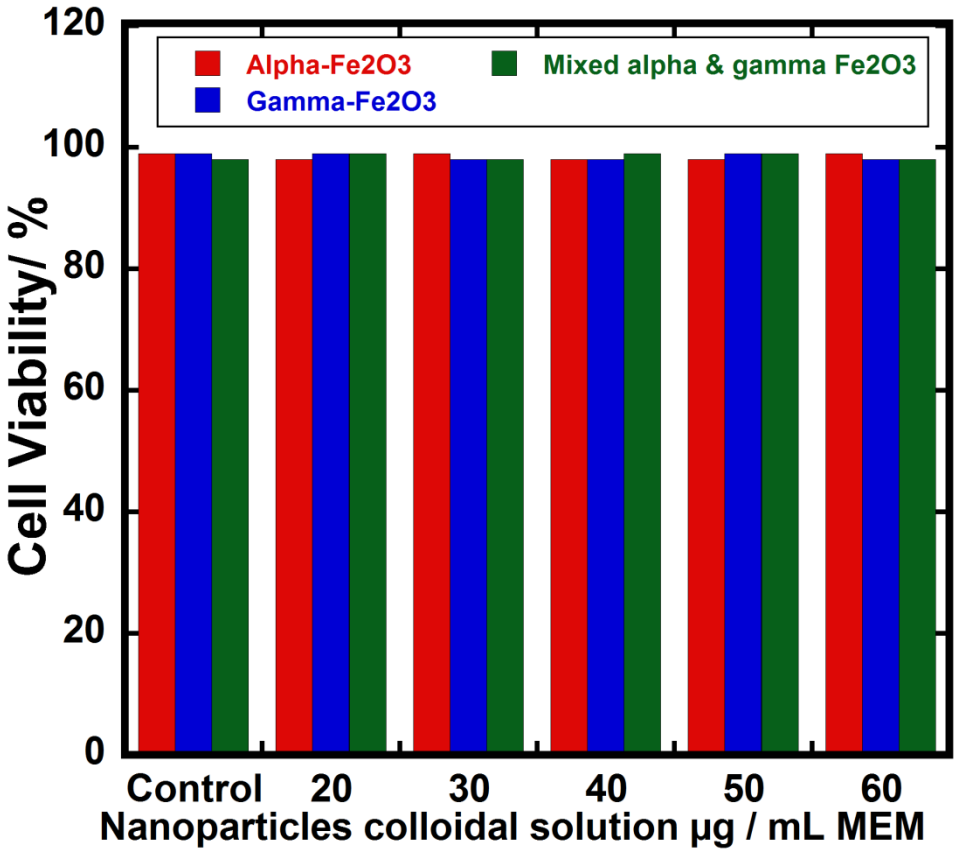

Fig. S2 Toxic effect of bare α-Fe_2O_3, bare γ-Fe_2O_3 and mixed α- and γ-Fe_2O_3 nanoparticles in HeLa cancer cells without exposing any external energy.